

Vertrel™ MCA Specifications & DOT Shipping Information

Vertrel MCA Analysis Parameters - Shuttle/KSC Use Only



PROPERTY	REQUIREMENT
SPECIFICATION:	KSC-SPEC-P-0019
Mixture ratio (wt%)	62 +/- 1%
Decafluoropentane	38 +/- 1%
Moisture content	100 ppm by wt. (max)
Acidity	1.0 ppm by wt. (max)
Chloride ion	1.0 ppm by wt. (max)
Chemical purity, (min)	99.8%
Residue	10 ppm by wt. (max)
Particulate matter	2.0 mg/L

Note: JBOSC has no filtration requirements for Vertrel MCA.

Note: Vertrel™ MCA is not regulated as a Hazardous Material by DOT when shipped in the 55-gallon (208-liter) drums commonly used at KSC.

Usage & Other Data: Vertrel MCA is a non-ozone-depleting-substance cleaning fluid used on ground support equipment and flight hardware. It is replacing S-113 in many cleaning applications. Vertrel MCA should not be used as a final-flush fluid on oxygen systems.



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